

## LIST OF ARTICLES I

No.	Authors	Title
1	Prof. Zainal Alimuddin	Potential of Solid Biomass Energy as a Source of Sustainable Energy to Reduce the Impact of Energy Crisis and Environmental Pollution
2	Prof. Tatsuo Sawada	Characteristics of Magnetic and MR Fluids Flows
3	Prof. Kenji Takahashi	Conversion of Biomass to Useful Material

## LIST OF ARTICLES II

Code No.	Authors	Title
ICGT15A001	Suryanto, Suharto, VS Tri Priyo, Sarana, Iwan Hermawan and Agus Suwondo	Making of Stamped Batik by Machined Batik Stamp Pattern Made from Hand Made Design Batik Image
ICGT15A002	Wirawan Sumbodo and Karsono	Improving Efficiency the Tofu Baxo Industry through Engineering of Tofu Production Tools
ICGT15A003	Suprpto, Abdurrahman and Wirawan Sumbodo	Improving the Quality of Products and Marketing Cassava Chips “Haji Sohib” in Patemon Village Area Unnes Campus
ICGT15A004	Wirawan Sumbodo, Eko Handoyo and Agus Nugroho	Improving International Cooperation Alumni Unnes with the National University of Malaysia (UKM)
ICGT15A006	Agus Nugroho, Angga Septiyanto and Widya Aryadi	Needs Assessment of Safety Sign Re-Engineering for Construction Laboratory
ICGT15A007	Teddy Nurcahyadi and Purnomo	Suitability of Conventional Fuel Injectors to be Used in Gasoline Direct Injection System for a Small Capacity Two-Stroke Engine
ICGT15A008	Samsudi Raharjo	Scale Formation of Calcium Sulfate minerals in Copper Pipes
ICGT15A009	Muslihudin, Solahuddin Kusumanegara and Triana Ahdiati	The Program Implementation of Energy Self-Sufficient Village based on <i>Calophyllum Inophyllum</i> in Purworejo, Central Java, Indonesia

<b>Code No.</b>	<b>Authors</b>	<b>Title</b>
ICGT15A010	Yustiasih Purwaningrum, Triyono, Fandi Alfarizi and M. Wirawan PU	The Effect of Shielding Gas Mixture on Distortion and Corrosion of Gas Metal Arc Steel Welding
ICGT15A011	Samsudi, Joko Widodo and Margunani	Partnership Model between Vocational School and Stakeholder to Develop Entrepreneurial Graduates
ICGT15A012	Samsudin Anis and Z.A. Zainal	Scale up and Assessment of Energy Production in a Microwave-Assisted Producer Gas Tar Conversion Reactor
ICGT15A013	Hadromi	The Manajement of Academic Quality Performance of Technical Faculty Semarang State University Indonesia
ICGT15A014	Rahmat Doni W , Azwar Manaf, Viktor Vekky Ronald Repi and Dony Hidayat Al Janan	The Effect of Milling Times and Annealing on Synthesis of Strontium Titanate Ceramics
ICGT15B001	Bambang Haryadi and Alfa Narendra	Vehicle Headway Distribution Models on Two-Lane Two-Way Undivided Roads
ICGT15B002	Iskandar Yasin, Henricus Priyosulistyo, Suprpto Siswosukarto and Ashar Saputra	The Influence of Lateral Stress Variation to Shear Strenght Bamboo Lamination Block
ICGT15B003	Iskandar Yasin, Henricus Priyosulistyo, Suprpto Siswosukarto and Ashar Saputra	Eksperimental Study of Tensile Strength of Bamboo Block Lamination  Optimum Values of Block Lamination be Made with Incising Method
ICGT15B004	Yanuar Kurniawan and Bambang Endroyo	Implementation of Occupational Safety & Health Management System (SMK3) And Availability of Safety Facilities, In Construction Projects  A Case Study In Semarang, Central Java, Indonesia
ICGT15B005	Edy Suhartono, Purwanto and Suripin	The Condition of Seawater Intrusions in the Groundwaters Causing Clean Water Deficits of Industrial Park in Semarang

Code No.	Authors	Title
ICGT15B006	Mohammed Ismail, Ekkehard Fehling, Yuliarti Kusumawardaningsih, Attitou Amen Mohamed Aboubakr	Finite Element Modelling of UHPC Beams under Pure Torsion
ICGT15B007	Sri Handayani, Woro Yuniarti, Fakhri Muhammad, Nurokhman, Firda Oktika UN.5 and Ahdian Agus Hermawan	Albasia-Glugu as a Structural Glued Laminated Timber
ICGT15B008	Teguh Prihanto and Martina Amboro Mawardi	Sustainable Design Approaches of Jung Para Resort as a Mangrove Ecotourism Facility in Semat Beach Jepara
ICGT15B009	Lulut Indrianingrum, Didik Nopianto N.A and M, Ridwan	Development Concept For Tambak Lorok As Tourism Village  (Proposal for Coastal Area Development of Semarang)
ICGT15B010	Endah Kanti Pangestuti, Bahar Ardianto and Rini Kusumawardani	Coal Powder Effect on Concrete Compressive Strength
ICGT15B011	Trinh Ngoc Dao and Yuliarti Kusumawardaningsih	A Review of Recent Development of Membrane based Drinking Water Treatment Systems
ICGT15C001	Emas Agus Prastyo Wibowo	Tania Tools: Preservatives and Reducers Heavy Metals In Fish, Vegetables, and Fruits
ICGT15C002	Rr. Dewi Artanti Putri and Zenny Kurniyati	The Utilization of Cellulose Durian Peel ( <i>Durio Zibethinus</i> ) for Synthesis of CMC (Carboxymethyl Cellulose)
ICGT15C003	Megawati, Diah Restu Widiastuti, Reni Ainun Jannah and Indi Rahayuningtiyas	Microwave Assisted Extraction of Pectin from Balinese Orange Peel using Different Power Levels and Times
ICGT15C004	Catur R. Widyastuti, Nabila Ridtiningsih, Ade B. Prayoga and Muhamad K. Anajib	Optimization of Extraction Process of Nanocalcium from Eggshell
ICGT15D001	Setya Chendra Wibawa, Svan Schulte, Yesie N. and Irene P. Septaria	Beauty Media Learning using Android Mobile Phone
ICGT15D002	Henning Titi Ciptaningtyas, Handayani Tjandra and Iqbal Akhmad Ghufon	Traffic Light Duration Arrangement Based on CCTV Recording and Analysis

<b>Code No.</b>	<b>Authors</b>	<b>Title</b>
		Signalized Intersection Algorithm
ICGT15D003	Ryan Arya Pramudya and Subiyanto	Geographic Information System as Tool for finding Landslide Evacuation Route using Dijkstra Algorithm in ArcView
ICGT15D004	Elok Fauziah Istiqlaliah and Subiyanto	Malaria Diagnostic System Using Analytical Hierarchy Process (AHP)
ICGT15D005	Winda Yulita and Feddy Setio Pribadi	The Implementation of Maximum Marginal Relevance Method on Online National and Local News Portal
ICGT15E001	Deny Arifiana and Marniati	The Design Development of Lumajang Moslem Bridal Wear
ICGT15E004	Adhi Kusumastuti and Rodia Syamwil	The Recycle of Batik Wax: an Effort towards Environmental Friendly Process
ICGT15E005	Saian Nur Fajri	Moodboard ‘Batik Konservasi’ as Batik Motives Inventory to Preserve World Cultural Heritage
ICGT15E007	Dwi Nurul Izzhati, Amalia and Helmy Rahardian	Design of Joyful Trash Box Learning Media for Early Childhood Environmental Education
ICGT15E008	Choirul Anna Nur Afifah and Veni Indrawati	The Tests of Media Education Nutritional and Reproductive Online to Improve Cognitive Ability Students
ICGT15E009	Any Sutiadiningsih	Analysis of Vocational Entrepreneur-Oriented School’s Education Establishment from Curriculum and Learning Aspect
ICGT15E010	Rita Sulistiyani and Rodia Syamwil	The Effect of Mordanting Process and Mordant’s Type on the Quality of Tie-Dye Fabric with Natural Dyes using Banana Blossom
ICGT15E011	Novi Ety Kona’ah and Muhammad Ansori	Product Experiment of Making Organic Lip Balm by Adding Parijoto Extract
ICGT15E012	Sicilia Sawitri, Widowati and	Developing Women Skill in Creating New Handicraft by using Plastic Waste

<b>Code No.</b>	<b>Authors</b>	<b>Title</b>
	Wulansari	in Patemon District
ICGT15E013	Sri Endah Wahyuningsih	The Needs of Planning Model Development of the Local Excellence-Based Entrepreneurship Education for Fashion Design Teacher Aspirants
ICGT15E014	Arif Widiyatmoko and Sita Nurmasitah	Increasing Skill of Science Teacher to Create Clean Technology as a Science Teaching Aids
ICGT15E015	Siti Fathonah and Dhiah Farida Sari	Purple Sweet Potato Biscuits with Different Margarine Usage